



SEQUENCE LISTING

<110> Brockhaus, et al.

<120> Human TNF Receptor

<130> 01017/40451C

<140> US 08/444,791

<141> 1995-05-19

<150> CH 3319/89

<151> 1989-09-12

<150> CH 786/90

<151> 1990-03-08

<150> CH 1347/90

<151> 1990-04-20

<150> US 07/580,013

<151> 1990-09-10

<150> US 08/095,640

<151> 1993-07-21

<160> 26

<170> PatentIn version 3.3

<210> 1

<211> 2111

<212> DNA

<213> Homo sapiens

<400> 1
gaattcgggg gggttcaaga tcactggac caggccgtga tctctatgcc cgagtctcaa 60
ccctcaactg tcaccccaag gcacttggga cgtcctggac agaccgagtc ccgggaagcc 120
ccagcactgc cgctgccaca ctgccctgag cccaaatggg ggagtgagag gccatagctg 180
tctggcatgg gcctctccac cgtgcctgac ctgctgctgc cgctgggtct cctggagctg 240
ttgggtggaa tataccctc aggggttatt ggactggtcc ctcacctagg ggacagggag 300
aagagagata gtgtgtgtcc ccaaggaaaa tataccacc ctcaaaataa ttcgattgc 360
tgtaccaagt gccacaaagg aacctacttg tacaatgact gtccaggccc gggcaggat 420
acggactgca gggagtgtga gagcggctcc ttcaccgctt cagaaaacca cctcagacac 480
tgcctcagct gtcacaaatg cggaaaggaa atgggtcagg tggagatctc ttcttcaca 540
gtggaccggg acaccgtgtg tggctgcagg aagaaccagt accggcatta ttggagtgaa 600
aacctttcc agtgcttcaa ttgcagccctc tgcctcaatg ggaccgtgca cctctccctgc 660
caggagaaac agaacaccgt gtgcacctgc catgcaggtt tctttctaag agaaaacgag 720
tgtgtctcct gtagtaactg taagaaaagc ctggagtgca cgaagttgtg cctaccccaag 780
attgagaatg ttaagggcac tgaggactca ggcaccacag tgctgttgcc cctggtcatt 840

ttctttggtc tttgcctttt atccctcctc ttcattggtt taatgtatcg ctaccaacgg	900
tggaagtcca agctctactc cattgtttgt gggaaatcga cacctgaaaa agagggggag	960
cttgaaggaa ctactactaa gcccctggcc ccaaacccaa gcttcagtcc cactccaggc	1020
ttcacccccc ccctgggctt cagtcggcgtg cccagttcca ccttcacccctc cagtcggacc	1080
tatacccccg gtgactgtcc caactttgcg gtcggccgca gagaggtggc accaccctat	1140
cagggggctg accccatcct tgcgacagcc ctcgcctccg accccatccc caacccccc	1200
cagaagtggg aggacagcgc ccacaagcca cagagcctag acactgatga ccccgcgacg	1260
ctgtacgccc tggtgagaa cgtgcccccg ttgcgctgga aggaattcgt gcggcgcccta	1320
gggctgagcg accacgagat cgatcggtcg gagctgcaga acggggcgctg cctgcgcgag	1380
gcbcataaca gcatgctggc gacctggagg cggcgacacgc cggcgcgacg ggcacacgctg	1440
gagctgctgg gacgcgtgct ccgcgacatg gacctgctgg gctgcctgga ggacatcgag	1500
gaggcgctt gggccccgc cggcccccgg cccgcgcacca gtcttctcag atgaggctgc	1560
gcccctgcgg gcaagctctaa ggaccgtcct gcgagatcgc cttccaaaccc cactttttc	1620
tggaaaggag gggtcctgca gggcaagca ggagctagca gcccctact tggtgctaac	1680
ccctcgatgt acatagcttt tctcagctgc ctgcgcgcgg ccgcacagtca gcgcgtgtcg	1740
cgcggagaga ggtgcgcgt gggctcaaga gcctgagtgg gtggtttgcg agatgaggg	1800
acgctatgcc tcatgcccgt tttgggtgtc ctcaccagca aggctgctcg gggccccctg	1860
gttcgtccct gagcctttt cacagtgcac aagcagttt ttttgggggg gttttttttt	1920
gttttgggggg taaatcaatc atgttacact aatagaaaact tggcactcct gtgcctctg	1980
cctggacaag cacatagcaa gctgaactgt cctaaggcag gggcgagcac ggaacaatgg	2040
ggccttcagc tggagctgtg gactttgtt catacactaa aattctgaag ttaaaaaaaaa	2100
aacccgaatt c	2111

<210> 2
 <211> 455
 <212> PRT
 <213> Homo sapiens

 <400> 2

Met Gly Leu Ser Thr Val Pro Asp Leu Leu Leu Pro Leu Val Leu Leu
 1 5 10 15

Glu Leu Leu Val Gly Ile Tyr Pro Ser Gly Val Ile Gly Leu Val Pro
 20 25 30

His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys Pro Gln Gly Lys
 35 40 45

Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys
50 55 60

Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp
65 70 75 80

Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu
85 90 95

Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val
100 105 110

Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg
115 120 125

Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe
130 135 140

Asn Cys Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu
145 150 155 160

Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu
165 170 175

Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu Cys Thr
180 185 190

Lys Leu Cys Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser
195 200 205

Gly Thr Thr Val Leu Leu Pro Leu Val Ile Phe Phe Gly Leu Cys Leu
210 215 220

Leu Ser Leu Leu Phe Ile Gly Leu Met Tyr Arg Tyr Gln Arg Trp Lys
225 230 235 240

Ser Lys Leu Tyr Ser Ile Val Cys Gly Lys Ser Thr Pro Glu Lys Glu
245 250 255

Gly Glu Leu Glu Gly Thr Thr Lys Pro Leu Ala Pro Asn Pro Ser
260 265 270

Phe Ser Pro Thr Pro Gly Phe Thr Pro Thr Leu Gly Phe Ser Pro Val
275 280 285

Pro Ser Ser Thr Phe Thr Ser Ser Ser Thr Tyr Thr Pro Gly Asp Cys
290 295 300

Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala Pro Pro Tyr Gln Gly
305 310 315 320

Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala Ser Asp Pro Ile Pro Asn
325 330 335

Pro Leu Gln Lys Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp
340 345 350

Thr Asp Asp Pro Ala Thr Leu Tyr Ala Val Val Glu Asn Val Pro Pro
355 360 365

Leu Arg Trp Lys Glu Phe Val Arg Arg Leu Gly Leu Ser Asp His Glu
370 375 380

Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg Glu Ala Gln
385 390 395 400

Tyr Ser Met Leu Ala Thr Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala
405 410 415

Thr Leu Glu Leu Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly
420 425 430

Cys Leu Glu Asp Ile Glu Glu Ala Leu Cys Gly Pro Ala Ala Leu Pro
435 440 445

Pro Ala Pro Ser Leu Leu Arg
450 455

<210> 3
<211> 2339
<212> DNA
<213> Homo sapiens

<400> 3
tcggacacccg tgtgtgactc ctgtgaggac agcacataca cccagctctg gaactgggtt 60
cccgagtgtctgtgg ctcccgctgt agctctgacc aggtggaaac tcaaggcctgc
actcgggaac agaaccgcacat ctgcacctgc aggccggct ggtactgcgc gctgagcaag 120
caggaggggt gcccggctgtg cgccggctgtg ccgaagtgcgc gcccgggtt cggcggtggcc 180
agaccaggaa ctgaaacatc agacgtggtg tgcaagccct gtgcggccgg gacgttctcc 240
aacacgactt catccacggta tatttgcagg cccaccaga tctgttaacgt ggtggccatc
cctggaaatg caagcaggaa tgcagtctgc acgtccacgt ccccccacccg gagtatggcc 300
ccagggggcag tacacttacc ccagccagtg tccacacgtat cccaaacacac gcagccaagt 360
ccagaaccca gcactgctcc aagcacctcc ttcctgctcc caatggccc cagccccca 420
480
540

gctgaaggga	gcactggcga	cttcgctctt	ccagttggac	tgattgtggg	tgtgacagcc	600
ttgggtctac	taataatagg	agtggtgaac	tgtgtcatca	tgacccaggt	aaaaaagaag	660
cccttgc	tgcagagaga	agccaagggt	cctcaattgc	ctgcccataa	ggcccggggt	720
acacaggggcc	ccgagcagca	gcacctgctg	atcacagcgc	cgagctccag	cagcagctcc	780
ctggagagct	cggccagtgc	gttggacaga	agggcgccca	ctcggaacca	gccacaggca	840
ccaggcgtgg	aggccagtgg	ggccggggag	gcccgccca	gcaccggag	ctcagcagat	900
tcttcccctg	gtggccatgg	gacccaggtc	aatgtcacct	gcatcgtgaa	cgtctgttagc	960
agctctgacc	acagctcaca	gtgctcctcc	caagccagct	ccacaatggg	agacacagat	1020
tccagccctt	cggagtcccc	gaaggacgag	caggtccctt	tctccaagga	ggaatgtgcc	1080
tttcggtcac	agctggagac	gccagagacc	ctgctgggg	gcaccgaaga	gaagccctg	1140
ccccttggag	tgcctgatgc	tggatgaag	cccagttaac	caggccggtg	tggctgtgt	1200
cgtagccaag	gtggctgagc	cctggcagga	tgaccctgctg	aagggccct	ggtccttcca	1260
ggcccccacc	actaggactc	tgaggctctt	tctggccaa	gttcctctag	tgccctccac	1320
agccgcagcc	tccctctgac	ctgcaggcca	agacagagg	cagcgagtt	tggaaagcct	1380
ctgctgccat	ggcgtgtccc	tctcggaagg	ctggctggc	atggacgttc	ggggcatgct	1440
ggggcaagtc	cctgagtctc	tgtgacctgc	cccgccccagc	tgcacctgcc	agcctggctt	1500
ctggagccct	tgggtttttt	gtttgtttgt	ttgtttgttt	gtttgtttct	ccccctgggc	1560
tctgcccagc	tctggcttcc	agaaaacccc	agcatcctt	tctgcagagg	ggctttctgg	1620
agaggaggga	tgctgcctga	gtcacccatg	aagacaggac	agtgcctcag	cctgaggctg	1680
agactgcggg	atggccttgg	ggctctgtgc	agggaggagg	tggcagccct	gtaggaaacg	1740
gggtccttca	atgtagctca	ggaggcttgg	aaagcatcac	ctcaggccag	gtgcagtggc	1800
tcacgcctat	gatcccagca	ctttgggagg	ctgaggcggg	tggatcacct	gaggtagga	1860
gttcgagacc	agcctggcca	acatggtaaa	accccatctc	tactaaaaat	acagaaatta	1920
gccgggcgtg	gtggcgggca	cctatagtcc	cagctactca	gaagcctgag	gctggaaat	1980
cgtttgaacc	cgggaagcgg	aggttgcagg	gagccgagat	cacgcccactg	cactccagcc	2040
tgggcgacag	agcgagagtc	tgtctaaaaa	gaaaaaaaaa	aagcaccgcc	tccaaatgct	2100
aacttgtcct	tttgttaccat	ggtgtgaaag	tcagatgccc	agagggccca	ggcaggccac	2160
catattcagt	gctgtggcct	gggcaagata	acgcacttct	aactagaaaat	ctgccaattt	2220
tttaaaaaaaag	taagtaccac	tcaggccaaac	aagccaacga	caaagccaaa	ctctgccagc	2280
cacatccaac	cccccacctg	ccatggcac	cctccgcctt	cactccggtg	tgcctgcag	2339

<210> 4
<211> 392
<212> PRT
<213> Homo sapiens

<400> 4

Ser Asp Thr Val Cys Asp Ser Cys Glu Asp Ser Thr Tyr Thr Gln Leu
1 5 10 15

Trp Asn Trp Val Pro Glu Cys Leu Ser Cys Gly Ser Arg Cys Ser Ser
20 25 30

Asp Gln Val Glu Thr Gln Ala Cys Thr Arg Glu Gln Asn Arg Ile Cys
35 40 45

Thr Cys Arg Pro Gly Trp Tyr Cys Ala Leu Ser Lys Gln Glu Gly Cys
50 55 60

Arg Leu Cys Ala Pro Leu Pro Lys Cys Arg Pro Gly Phe Gly Val Ala
65 70 75 80

Arg Pro Gly Thr Glu Thr Ser Asp Val Val Cys Lys Pro Cys Ala Pro
85 90 95

Gly Thr Phe Ser Asn Thr Thr Ser Ser Thr Asp Ile Cys Arg Pro His
100 105 110

Gln Ile Cys Asn Val Val Ala Ile Pro Gly Asn Ala Ser Arg Asp Ala
115 120 125

Val Cys Thr Ser Thr Ser Pro Thr Arg Ser Met Ala Pro Gly Ala Val
130 135 140

His Leu Pro Gln Pro Val Ser Thr Arg Ser Gln His Thr Gln Pro Ser
145 150 155 160

Pro Glu Pro Ser Thr Ala Pro Ser Thr Ser Phe Leu Leu Pro Met Gly
165 170 175

Pro Ser Pro Pro Ala Glu Gly Ser Thr Gly Asp Phe Ala Leu Pro Val
180 185 190

Gly Leu Ile Val Gly Val Thr Ala Leu Gly Leu Leu Ile Ile Gly Val
195 200 205

Val Asn Cys Val Ile Met Thr Gln Val Lys Lys Lys Pro Leu Cys Leu
210 215 220

Gln Arg Glu Ala Lys Val Pro His Leu Pro Ala Asp Lys Ala Arg Gly
225 230 235 240

Thr Gln Gly Pro Glu Gln Gln His Leu Leu Ile Thr Ala Pro Ser Ser
245 250 255

Ser Ser Ser Ser Leu Glu Ser Ser Ala Ser Ala Leu Asp Arg Arg Ala
260 265 270

Pro Thr Arg Asn Gln Pro Gln Ala Pro Gly Val Glu Ala Ser Gly Ala
275 280 285

Gly Glu Ala Arg Ala Ser Thr Gly Ser Ser Ala Asp Ser Ser Pro Gly
290 295 300

Gly His Gly Thr Gln Val Asn Val Thr Cys Ile Val Asn Val Cys Ser
305 310 315 320

Ser Ser Asp His Ser Ser Gln Cys Ser Ser Gln Ala Ser Ser Thr Met
325 330 335

Gly Asp Thr Asp Ser Ser Pro Ser Glu Ser Pro Lys Asp Glu Gln Val
340 345 350

Pro Phe Ser Lys Glu Glu Cys Ala Phe Arg Ser Gln Leu Glu Thr Pro
355 360 365

Glu Thr Leu Leu Gly Ser Thr Glu Glu Lys Pro Leu Pro Leu Gly Val
370 375 380

Pro Asp Ala Gly Met Lys Pro Ser
385 390

<210> 5
<211> 28
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (25)..(25)
<223> Xaa = any or unknown amino acid

<400> 5

Leu Val Pro His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys Pro
1 5 10 15

Gln Gly Lys Tyr Ile His Pro Glu Xaa Asn Ser Ile
20 25

<210> 6
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 6

Ser Thr Pro Glu Lys Glu Gly Glu Leu Glu Gly Thr Thr Thr Lys
1 5 10 15

<210> 7
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 7

Ser Gln Leu Glu Thr Pro Glu Thr Leu Leu Gly Ser Thr Glu Glu Lys
1 5 10 15

Pro Leu

<210> 8
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 8

Val Phe Cys Thr
1

<210> 9
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 9

Asn Gln Pro Gln Ala Pro Gly Val Glu Ala Ser Gly Ala Gly Glu Ala
1 5 10 15

<210> 10
<211> 18
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (8)..(8)
<223> Xaa = any or unknown amino acid

<400> 10

Leu Pro Ala Gln Val Ala Phe Xaa Pro Tyr Ala Pro Glu Pro Gly Ser
1 5 10 15

Thr Cys

<210> 11
<211> 13
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (2)..(2)
<223> Xaa = any or unknown amino acid

<400> 11.

Ile Xaa Pro Gly Phe Gly Val Ala Tyr Pro Ala Leu Glu
1 5 10

<210> 12
<211> 4
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 12

Leu Cys Ala Pro
1

<210> 13
<211> 7
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 13

Val Pro His Leu Pro Ala Asp
1 5

<210> 14
<211> 15
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (9)..(10)
<223> Xaa = any or unknown amino acid

<220>
<221> misc_feature
<222> (13)..(13)
<223> Xaa = any or unknown amino acid

<400> 14

Gly Ser Gln Gly Pro Glu Gln Gln Xaa Xaa Leu Ile Xaa Ala Pro
1 5 10 15

<210> 15
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 15

Leu Val Pro His Leu Gly Asp Arg Glu
1 5

<210> 16
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic primer

<400> 16
aggagaaga gagatagtgt gtgtccc

27

<210> 17
<211> 41
<212> DNA
<213> Artificial sequence

<220>		
<223> Synthetic primer		
<400> 17		
aagcttggcc aggatccagc tgactgactg atcgcgagat c		41
<210> 18		
<211> 41		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 18		
ttcgaaccgg tccttaggtcg actgactgac tagcgctcta g		41
<210> 19		
<211> 38		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 19		
cacagggatc catagctgtc tggcatgggc ctctccac		38
<210> 20		
<211> 44		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 20		
cgtgactcct gagtccgtgg tgtattatct ctagaccatg gccc		44
<210> 21		
<211> 19		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 21		
gatccagaat tcataatag		19
<210> 22		
<211> 19		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		

<400> 22		
gtcttaagta ttatccatg		19
<210> 23		
<211> 31		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 23		
gcaccacata atagagatct ggtaccggga a		31
<210> 24		
<211> 25		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 24		
gtgtattattc tctagaccat ggccc		25
<210> 25		
<211> 29		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 25		
tacgagctcg gccatagctg tctggcatg		29
<210> 26		
<211> 29		
<212> DNA		
<213> Artificial sequence		
<220>		
<223> Synthetic primer		
<400> 26		
atagagctct gtggtgccctg agtcctcag		29